

FIG. 1

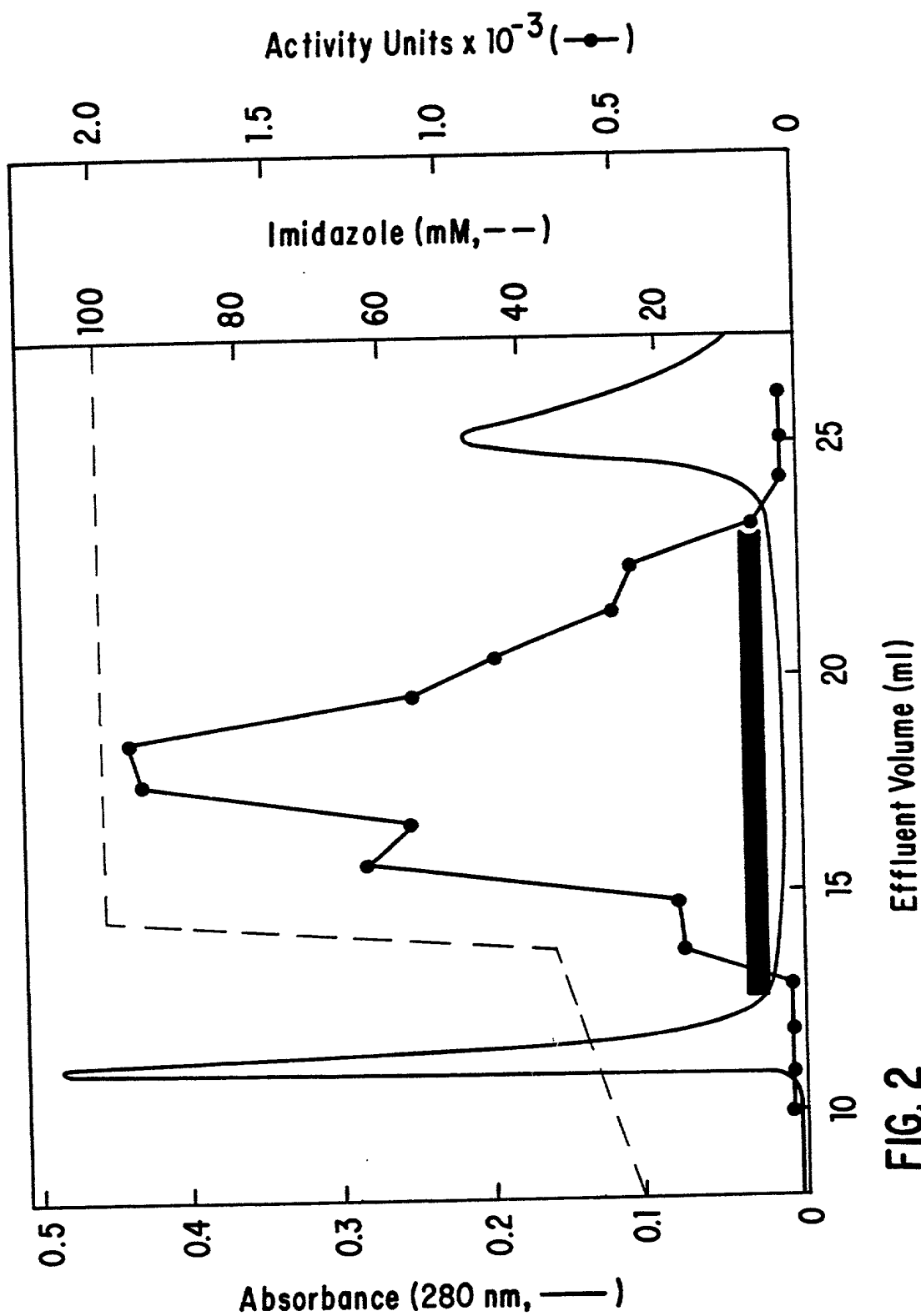


FIG. 2

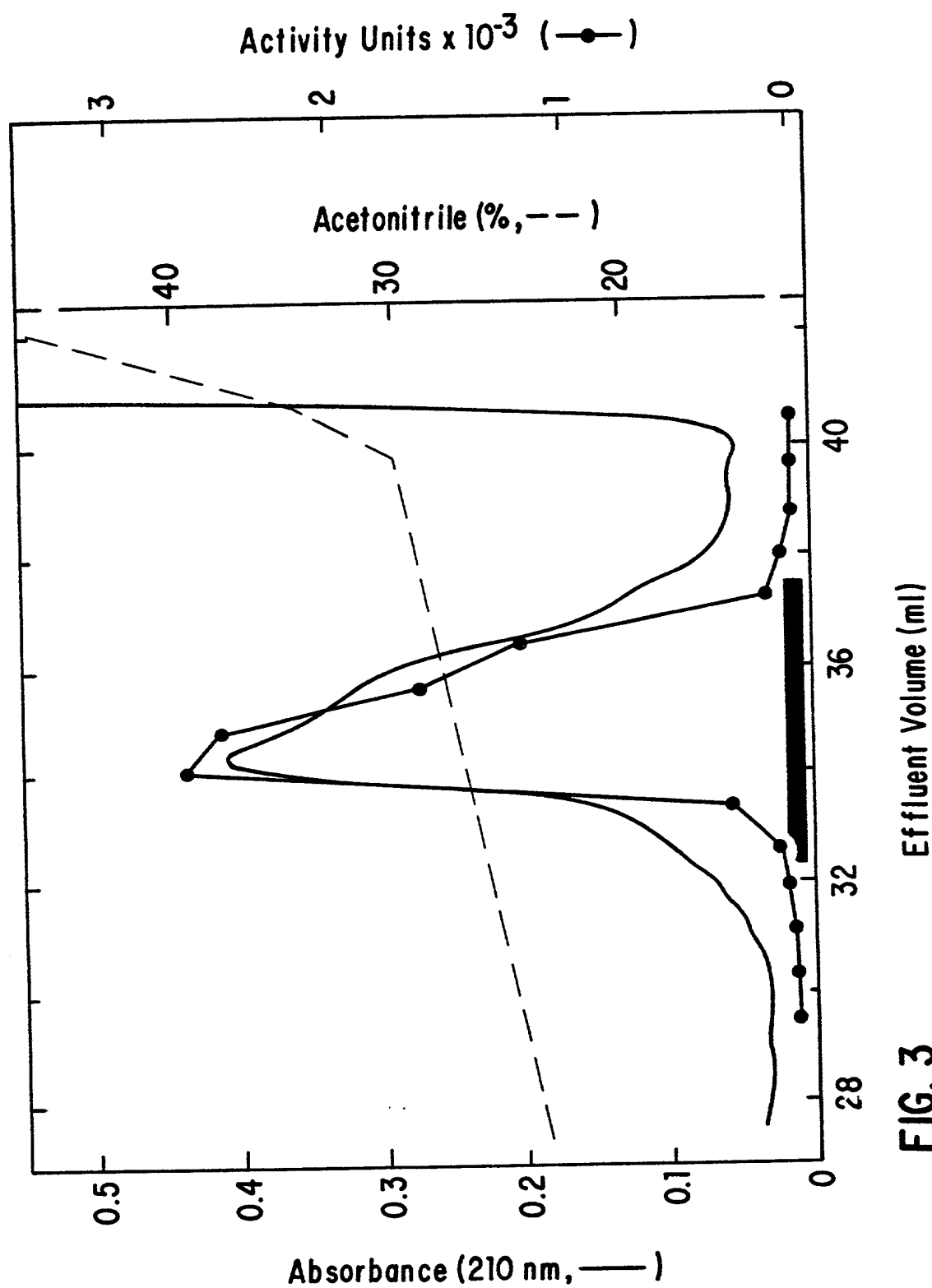


FIG. 3

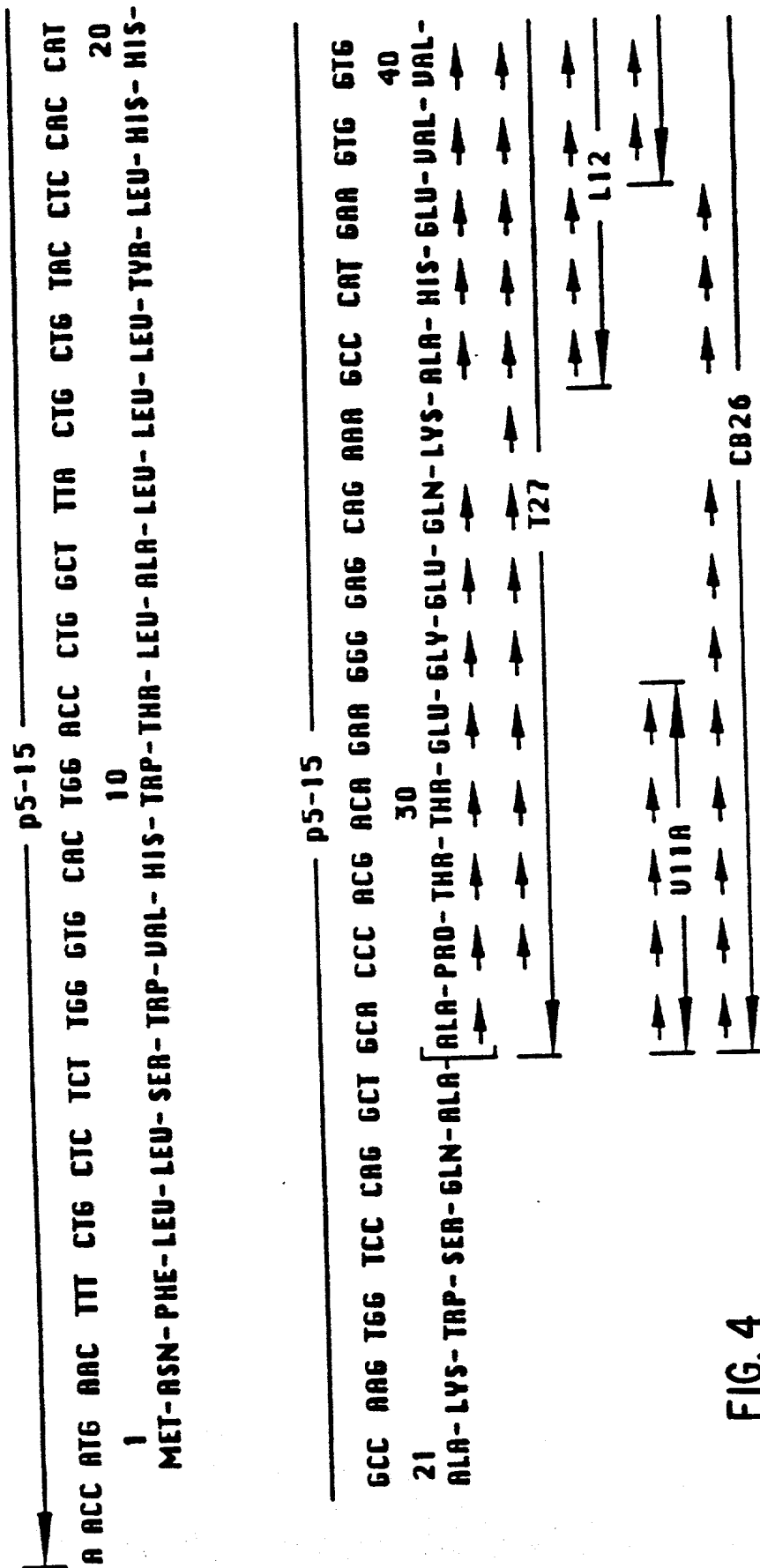


FIG. 4

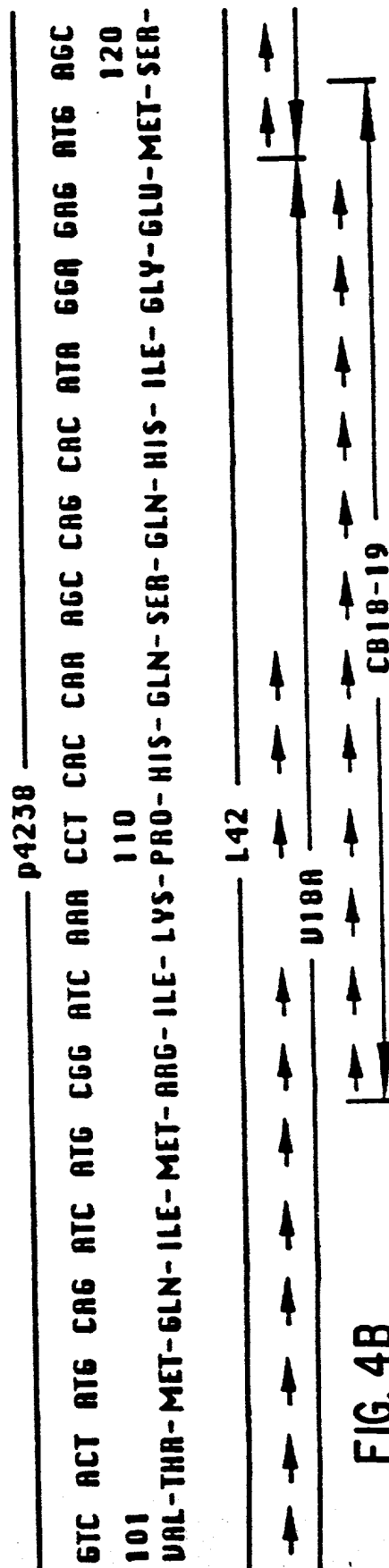
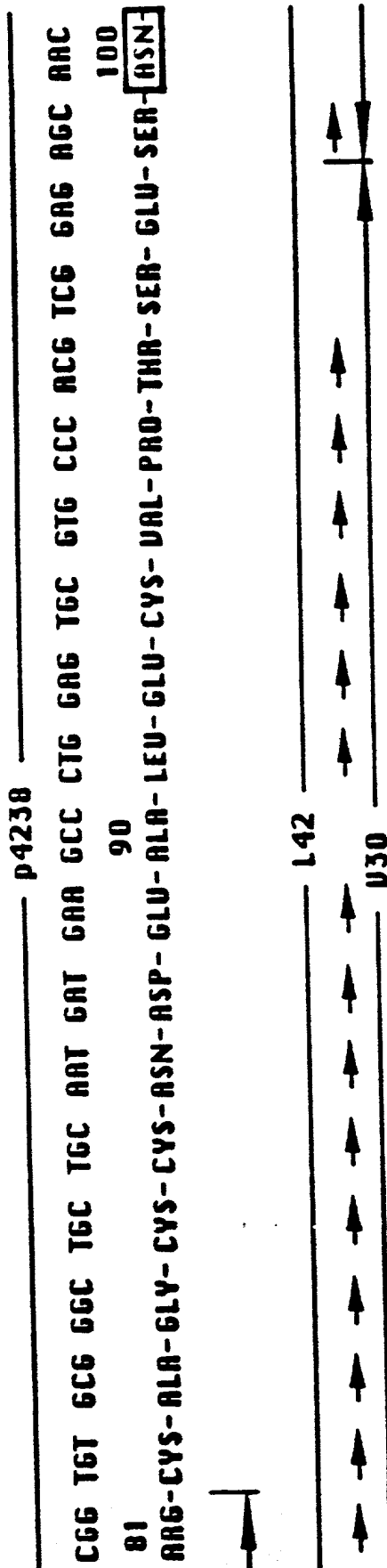


FIG. 4B

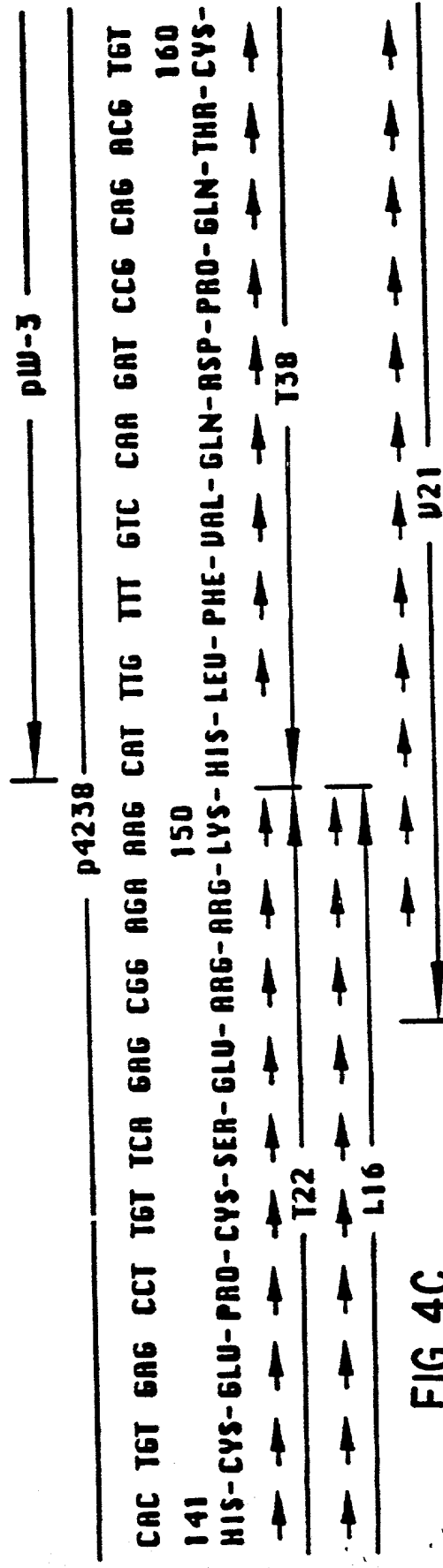
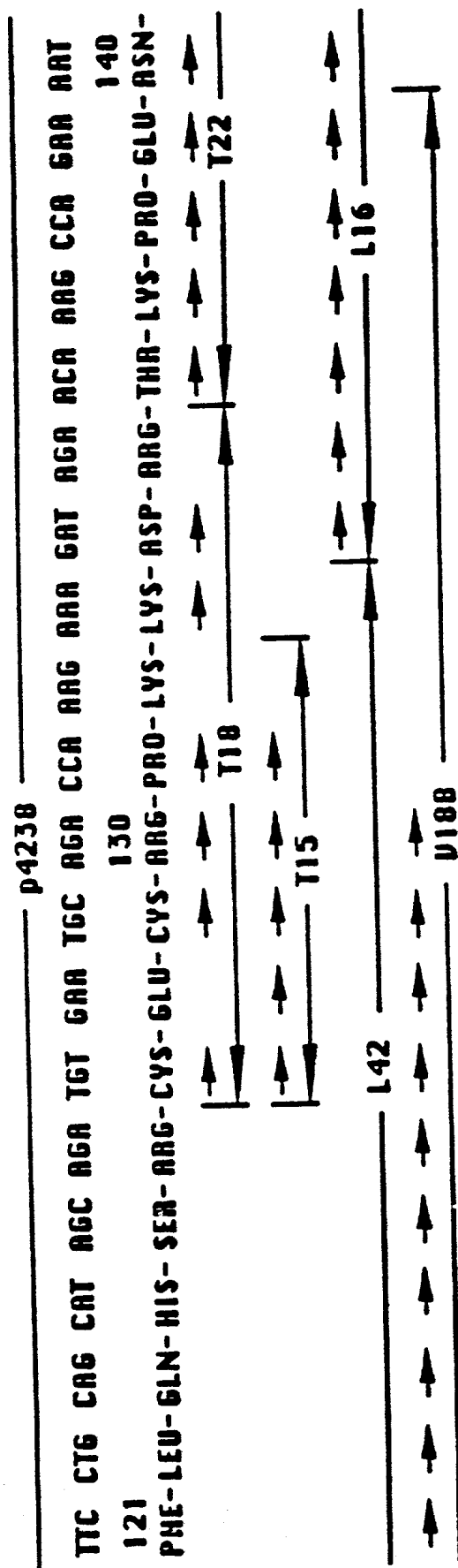


FIG. 4C

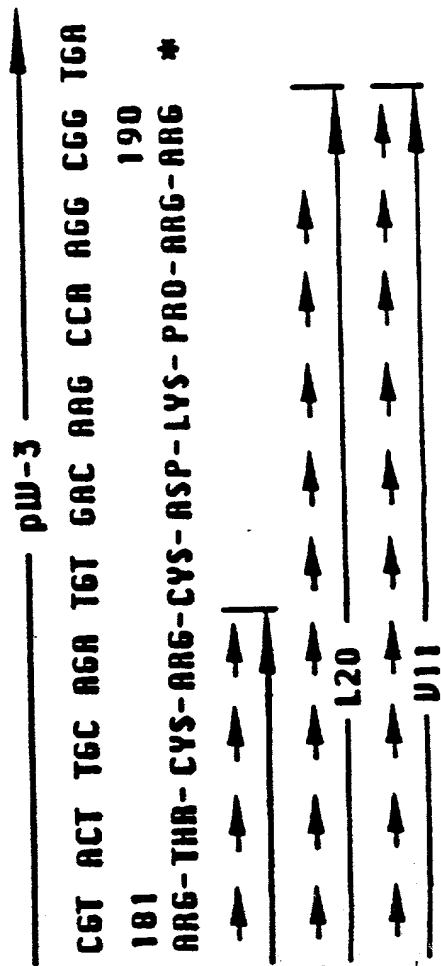
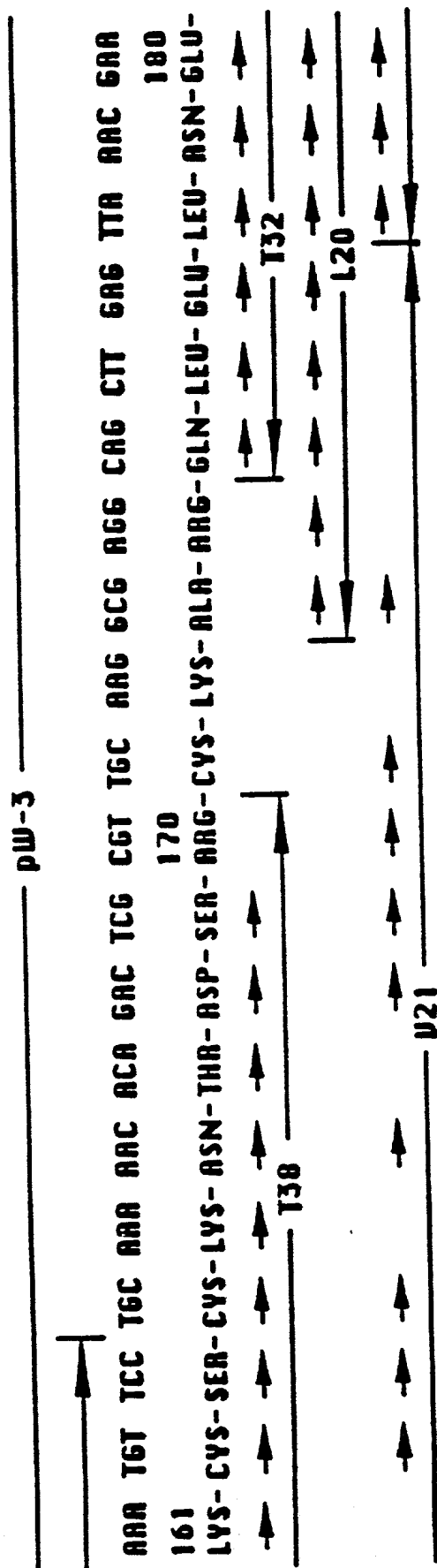


FIG. 4D

[illegible]

AAG TTC ATG GAC GTC TAC CAG CGC AGC TAT TGC CGT CCG ATT GAG ACC CTG GTG GAC ATC
 LYS-PHE-MET-ASP-VAL-TYR-GLN-ARG-SER-TYR-CYS-ARG-PRO-ILE-GLU-THR-LEU-VAL-ASP-ILE-
 41 50 60
 p5-15 p4238 L46

p4238
 TTC CAG GAG TAC CCC GAT GAG ATA GAG TAT ATC TTC ARG CCG TCC TGT GTG CCC CTA ATG
 61 80
 PHE-GLN-GLU-TYR-PRO-ASP-GLU-ILE-GLU-TYR-ILE-PHE-LYS-PRO-SER-CYS-VAL-PRO-LEU-MET-
 → → → → →
 L46

p4238
 CCG TGT GCG GCG TGC TGC AAT GAT GAA GCC CTG GAG TGC GTG CCC ACG TCG GAG AGC AAC
 81 100
 ARG-CYS-ALA-GLY-CYS-CYS-ASN-ASP-GLU-ALA-LEU-GLU-CYS-VAL-PRO-THR-SER-GLU-SER-ASN-
 L46

p4238
 GTC ACT ATG CAG ATC CCG ATC AAA CCT CAC CAA AGC CAG CAC ATA GGA GAG ATG AGC
 101 120
 VAL-THR-MET-GLN-ILE-MET-ARG-ILE-LYS-PRO-HIS-GLN-SER-GLN-HIS-ILE-GLY-GLU-MET-SER-
 L46

FIG. 4F

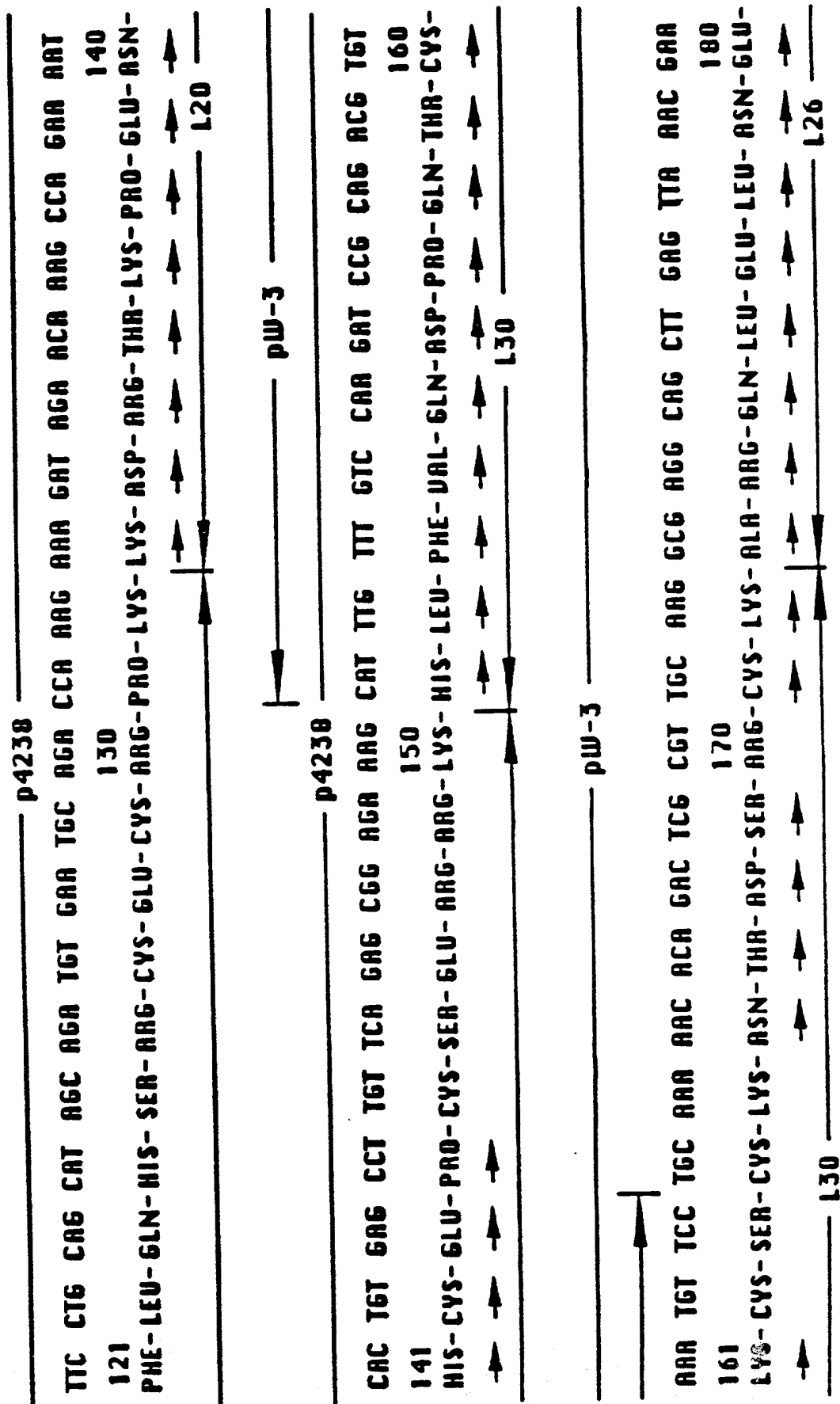


FIG. 4G

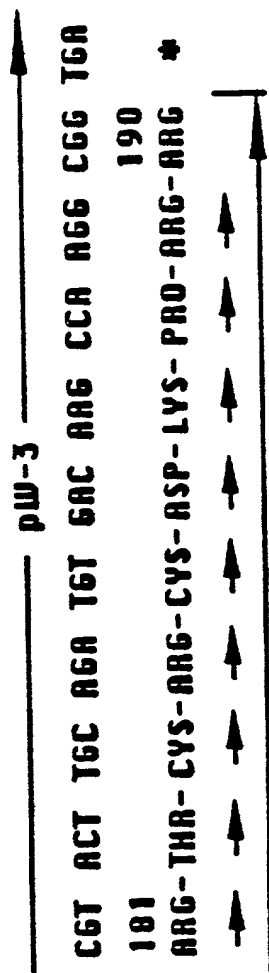
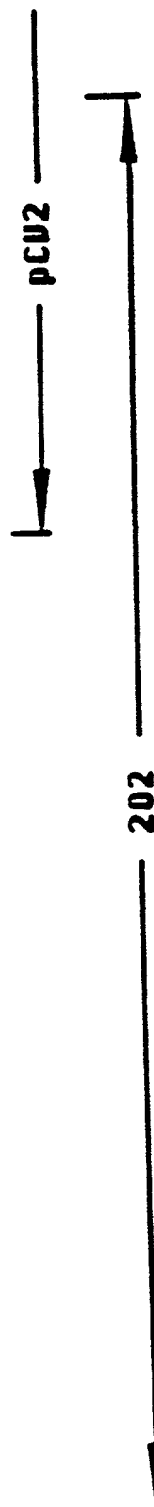


FIG. 4H

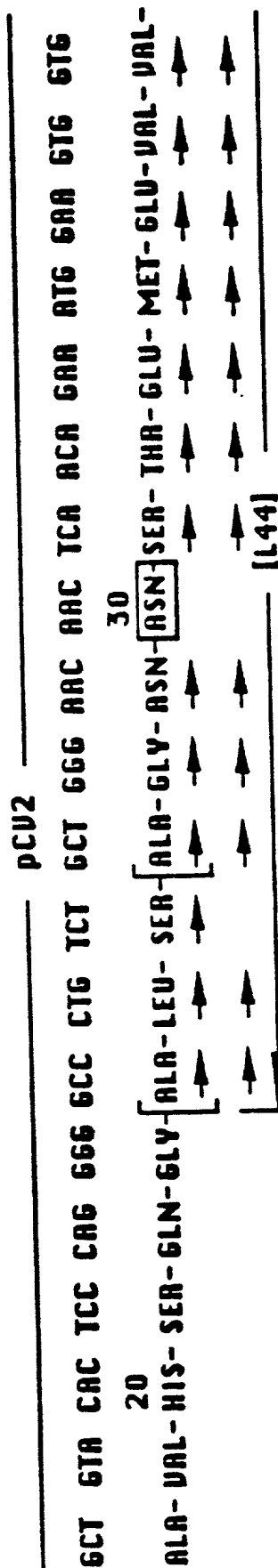


ATG CTG GCC ATG AAG CTG TTC ACT TGC TTC TTG CAG GTC CTA GCT GGG TTG

¹
MET-LEU-ALA-MET-LYS-LEU-PHE-THR-CYS-PHE-LEU-GLN-VAL-LEU-ALA-GLY-LEU-

10

FIG. 4I

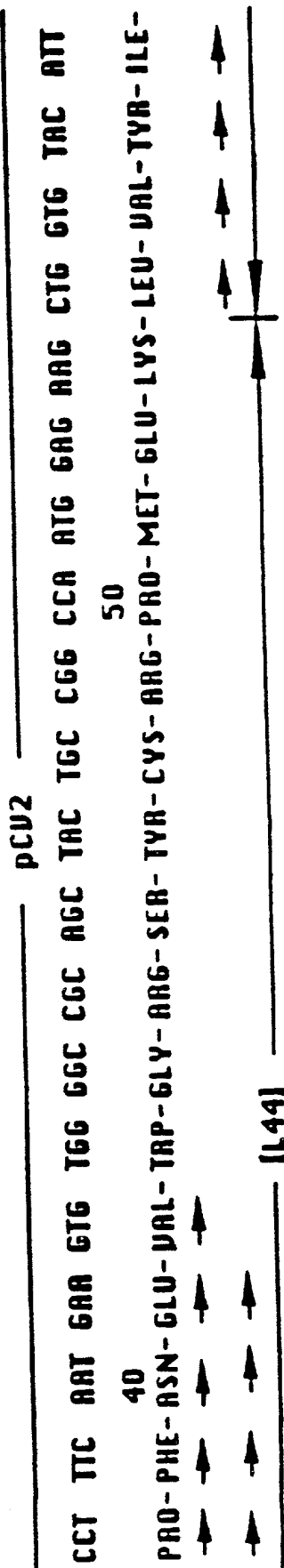


6CT GTA CAC TCC CAG GGG GCC CTG TCT GCT GGG AAC AAC TCA ACA GAA ATG GAA GTG GTG

²⁰
ALA-VAL-HIS-SER-GLN-GLY-ALA-LEU-SER-ALA-GLY-ASN-ASN-SER-THR-GLU-MET-GLU-VAL-VAL

30

[L44]



CCT TTC AAT GAA GTG TGG GGC CGC AGC TAC TGC CGG CCA ATG GAG AAG CTG GTG TAC ATT

⁴⁰
PRO-PHE-ASN-GLU-VAL-TRP-GLY-ARG-SER-TYR-CYS-ARG-PRO-MET-GLU-LYS-LEU-VAL-TYR-ILE

50

[L44]

PCV2
 6CA GAT GAA CAC CCT AAT GAA GTG TCT CAT ATA TTC AGT CCG TCA TGT GTC CTT CTG AGT
 60
 ALA-ASP-GLU-HIS-PRO-ASN-GLU-VAL-SER-HIS-ILE-PHE-SER-PRO-SER-CYS-VAL-LEU-LEU-SER-
 70
 150

PCV2
 CGC TGT AGT GGC TGC TGT GGT GAC GAG GGT CTG CAC TGT GTG GCG CTA AAG ACA GCC AAC
 80
 ARG-CYS-SER-GLY-CYS-CYS-GLY-ASP-GLU-GLY-LEU-HIS-CYS-VAL-ALA-LEU-LYS-THR-ALA-ASN-
 90
 150

PCV2
 ATC ACT ATG CAG ATC TTA AAG ATT CCC CCC AAT CGG GAT CCA CAT TCC TAC GTG GAG ATG
 100
 ILE-THR-MET-GLN-ILE-LEU-LYS-ILE-PRO-PRO-ASN-ARG-ASP-PRO-HIS-SER-TYR-VAL-GLU-MET-
 110
 135 [144]

FIG. 4J

ACA TTC TCT CAG GAT GTA CTC TGC GAA TGC AGG CCT ATT CTG GAG ACG ACA AAG GCA GAA
 120
 THR-PHE-SER-GLN-ASP-VAL-LEU-CYS-GLU-CYS-ARG-PRO-ILE-LEU-GLU-THR-THR-LYS-ALA-GLU-
 130
 [L44]

AGG AAG AAA ACC AAG GGG AAG AGG AAG CAA AGC AAA ACC CCA CAG ACT GAG GAA CCC CAC
 140
 ARG-ARG-LYS-THR-LYS-GLY-LYS-ARG-LYS-GLN-SER-LYS-THR-PRO-GLN-THR-GLU-GLU-PRO-HIS-
 150
 126

CTG TGA
 158
 LEU *

FIG. 4K

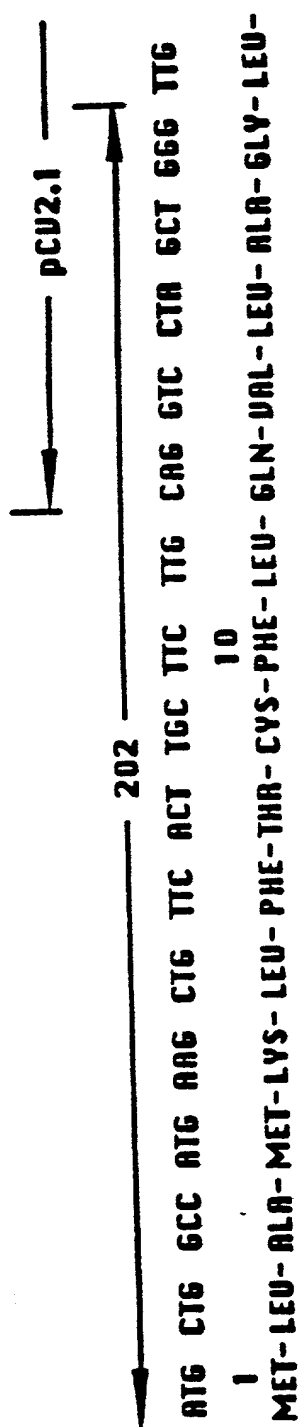


FIG. 4L

PCV2.1

6CT GTA CAC TCC CAG GGG GCC CTG TCT GCT GGG AAC AAC TCA ACA GAA ATG GAA GTG GTG
 20
 ALA-VAL-HIS-SER-GLN-GLY-ALA-LEU-SER-ALA-GLY-ASN-ASN-SER-THR-GLU-MET-GLU-VAL-VAL-
 30

PCV2.1

CCT TTC AAT GAA GTG TGG GGC CGC AGC TAC TGC CGG CCA ATG GAG AAG CTG GTG TAC ATT
 40
 PRO-PHE-ASN-GLU-VAL-TAP-GLY-ARG-SER-TYR-CYS-ARG-PRO-MET-GLU-LYS-LEU-VAL-TYR-ILE-
 50

PCV2.1

GCA GAT GAA CAC CCT AAT GAA GTG TCT CAT ATA TTC AGT CCG TCA TGT GTC CTT CTG AGT
 60
 ALA-ASP-GLU-HIS-PRO-ASN-GLU-VAL-SER-HIS-ILE-PHE-SER-PRO-SER-CYS-VAL-LEU-LEU-SER-
 70

pCD2.1

CGC TGT AGT GGC TGC TGT GGT GAC GAG GGT CTG CAC TGT GTG GCG CTA AAG ACA GCC AAC
 80
 AAG-CYS-SER-GLY-CYS-CYS-GLY-ASP-GLU-GLY-LEU-HIS-CYS-VAL-ALA-LEU-LYS-THR-ALA-ASN-

pCD2.1

ATC ACT ATG CAG ATC TTA AAG ATT CCC CCC AAT CCG GAT CCA CAT TCC TAC GTG GAG ATG
 100
 ILE-THR-MET-GLN-ILE-LEU-LYS-ILE-PRO-PRO-ASN-ARG-ASP-PRO-HIS-SER-TYR-VAL-GLU-MET-

pCD2.1

ACA TTC TCT CAG GAT GTA CTC TGC GAA TGC AGG CCT ATT CTG GAG ACG ACA AAG GCA GAA
 120
 THR-PHE-SER-GLN-ASP-VAL-LEU-CYS-GLU-CYS-ARG-PRO-ILE-LEU-GLU-THR-THR-LYS-ALA-GLU-



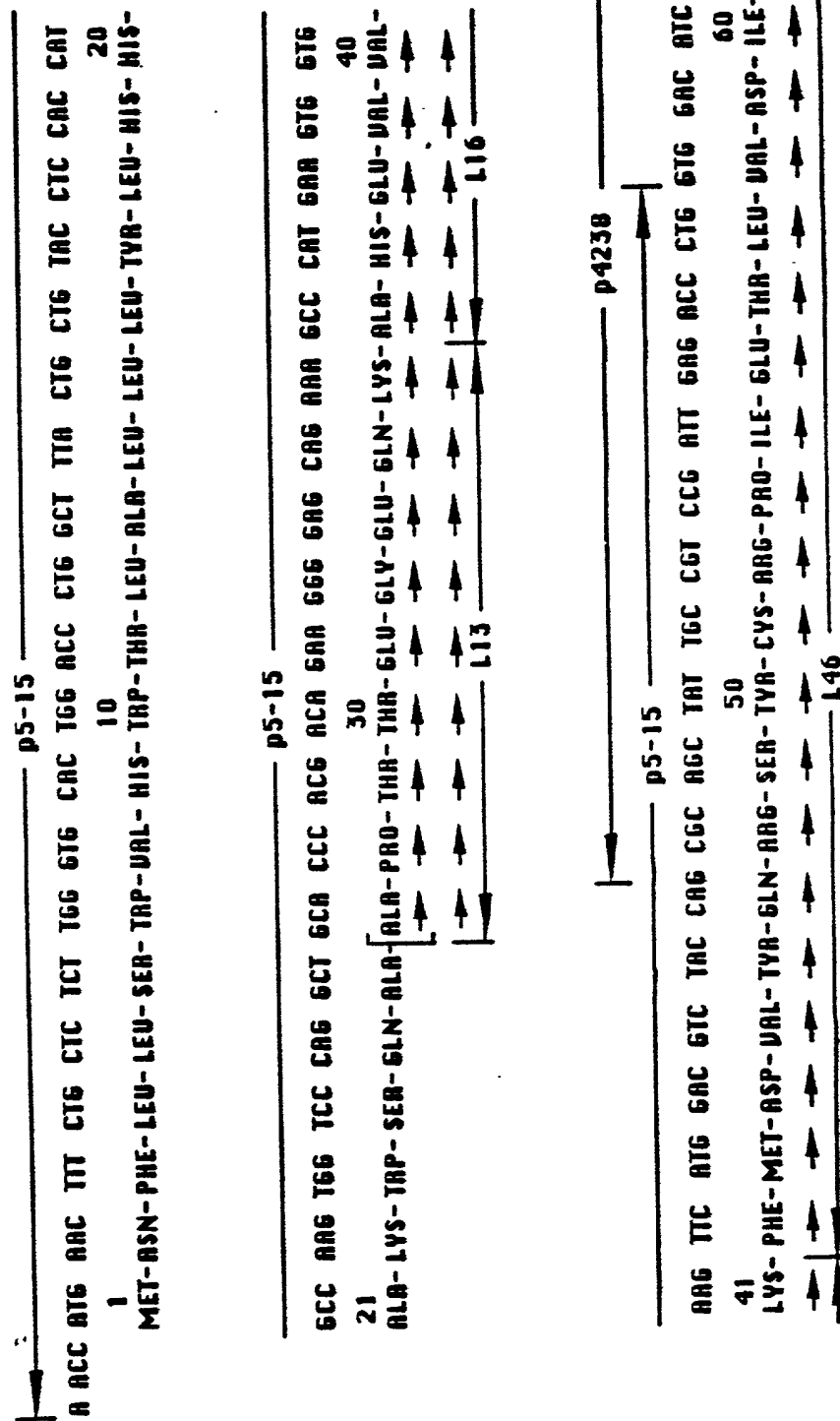
AGG TAR

138

ARG •

FIG. 4M

FIG. 5



TTC CAG GAG TAC CCC GAT GAG ATA GAG TAT ATC TTC ARG CCG TCC TGT GTG CCC CTA ATG
 61 70 80
 PHE-GLN-GLU-TYR-PRO-ASP-GLU-ILE-GLU-TYR-ILE-PHE-LYS-PRO-SER-CYS-VAL-PRO-LEU-MET-
 146

p4238
 CGG TGT GCG GGC TGC TGC AAT GAT GAA GCC CTG GAG TGC GTG CCC ACC TCG GAG AGC AAC
 81 90 100
 AAG-CYS-ALA-GLY-CYS-CYS-ASN-ASP-GLU-ALA-LEU-GLU-CYS-VAL-PRO-THR-SER-GLY-SER-ASN-
 146

p4238	
GTC ACT ATG CAG ATC ATG CGG ATC AAA CCT CAC CAA AGC CAG CAC ATA GGA GAG ATG AGC 101	120
VAL-THR-MET-GLN-ILE-MET-ARG-ILE-LYS-PRO-HIS-GLN-SER-GLN-HIS-ILE-GLY-GLU-MET-SER-	
146	

FIG. 5 (CONT.)

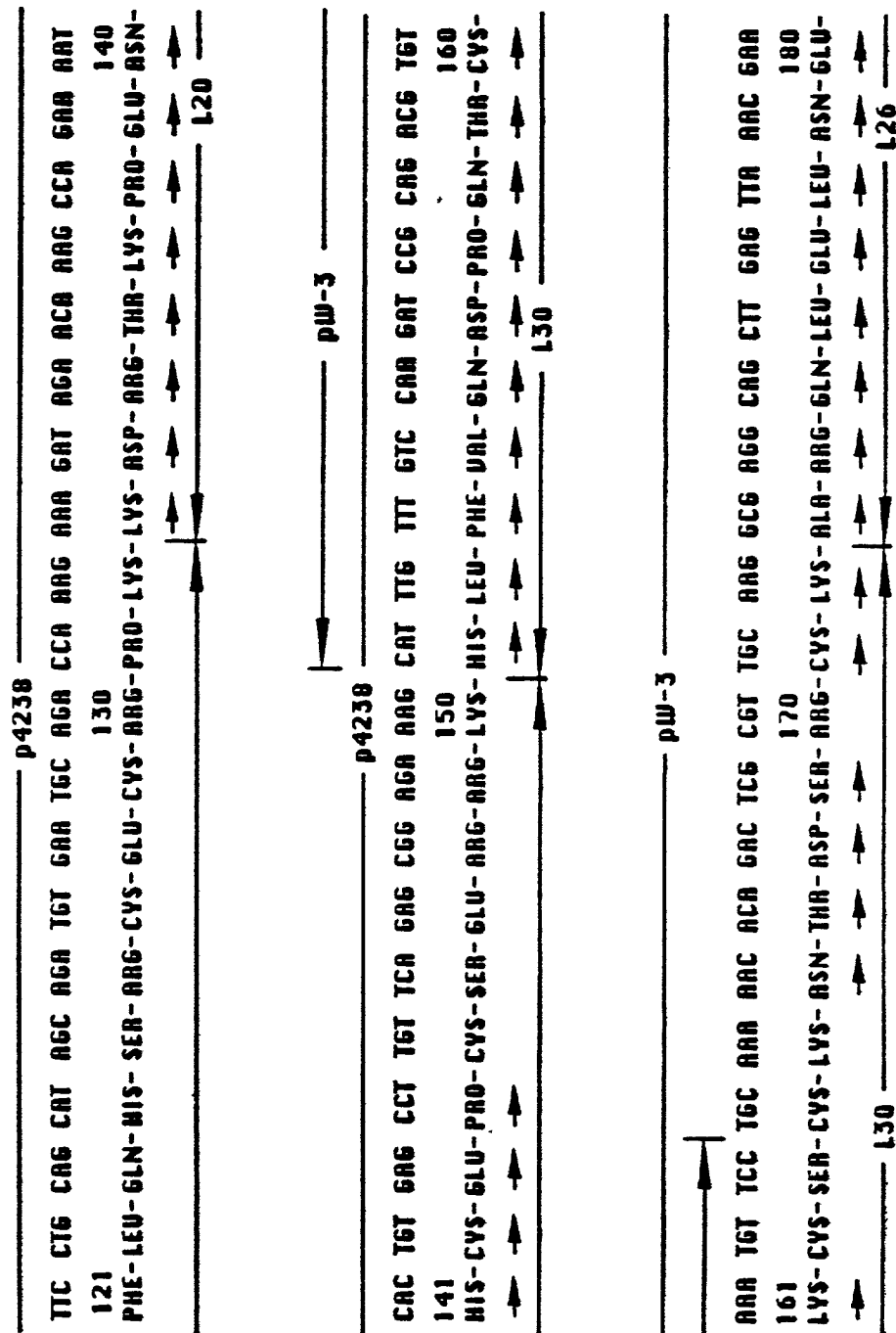


FIG. 5 (CONT.)

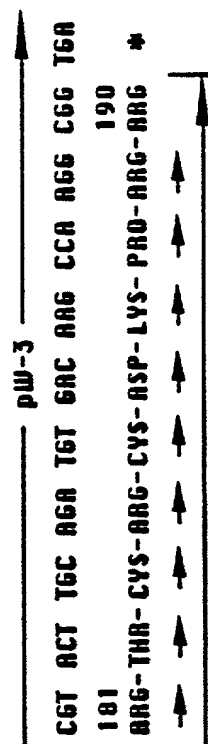


FIG. 6

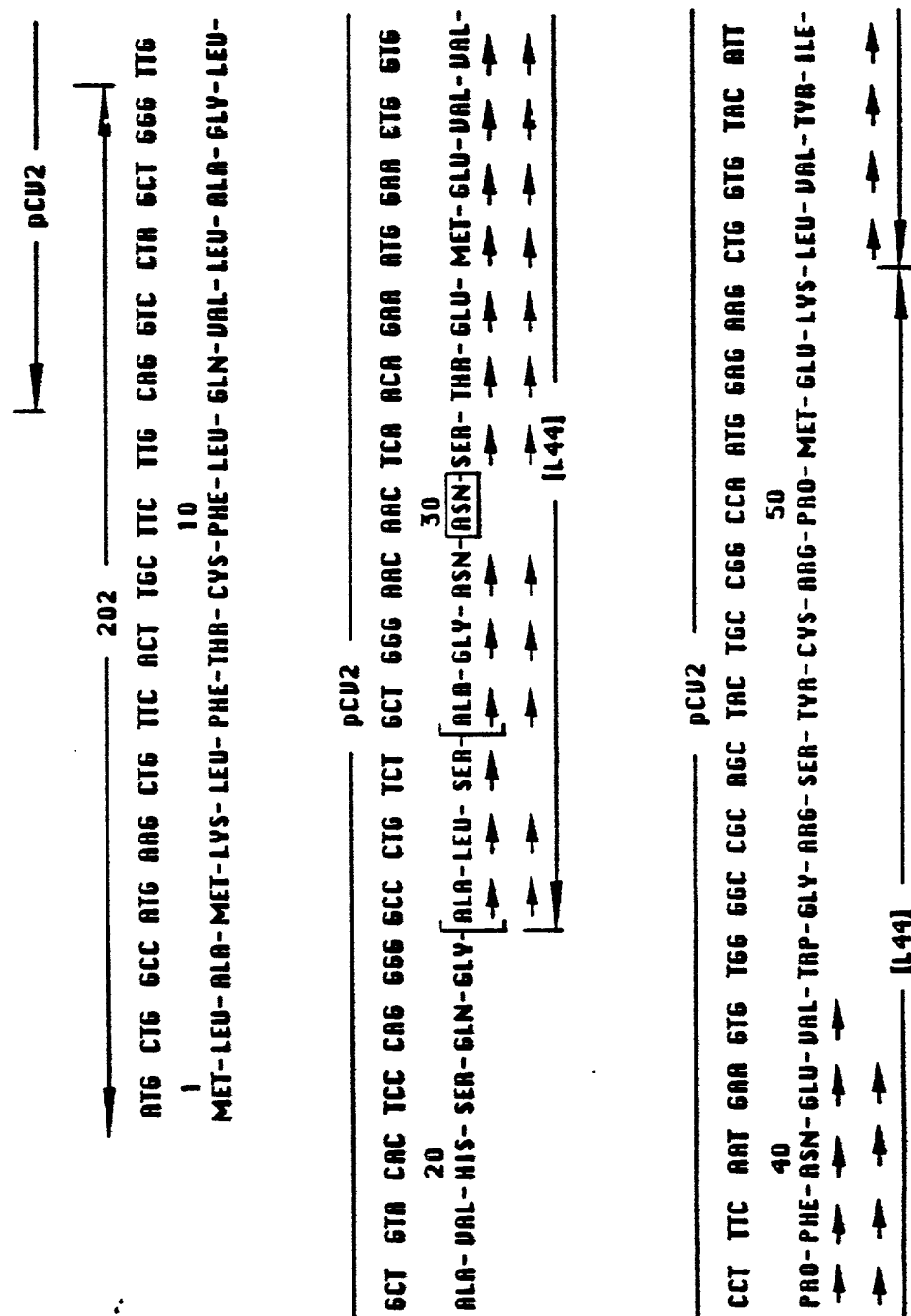


FIG. 6 (CONT.)

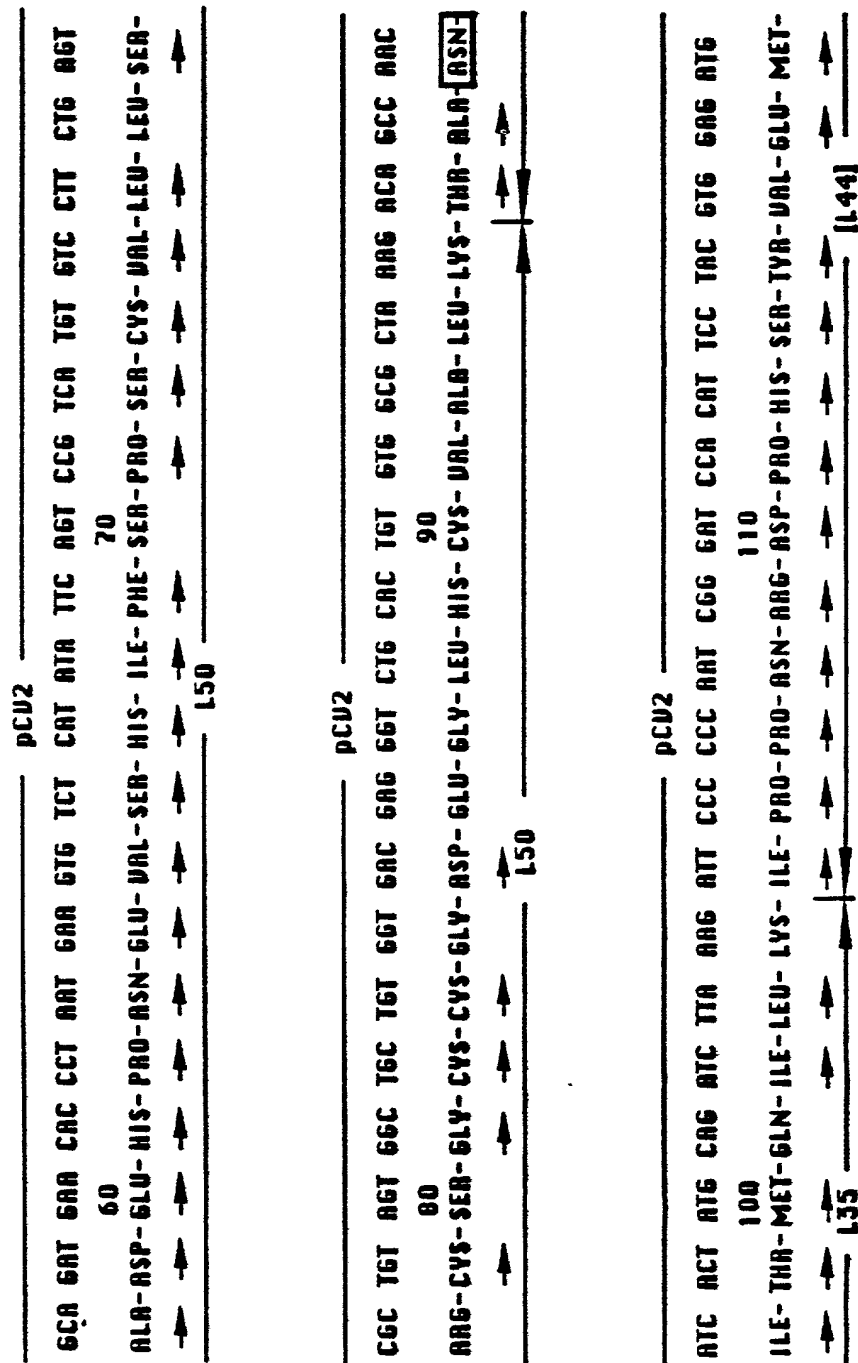


FIG. 7

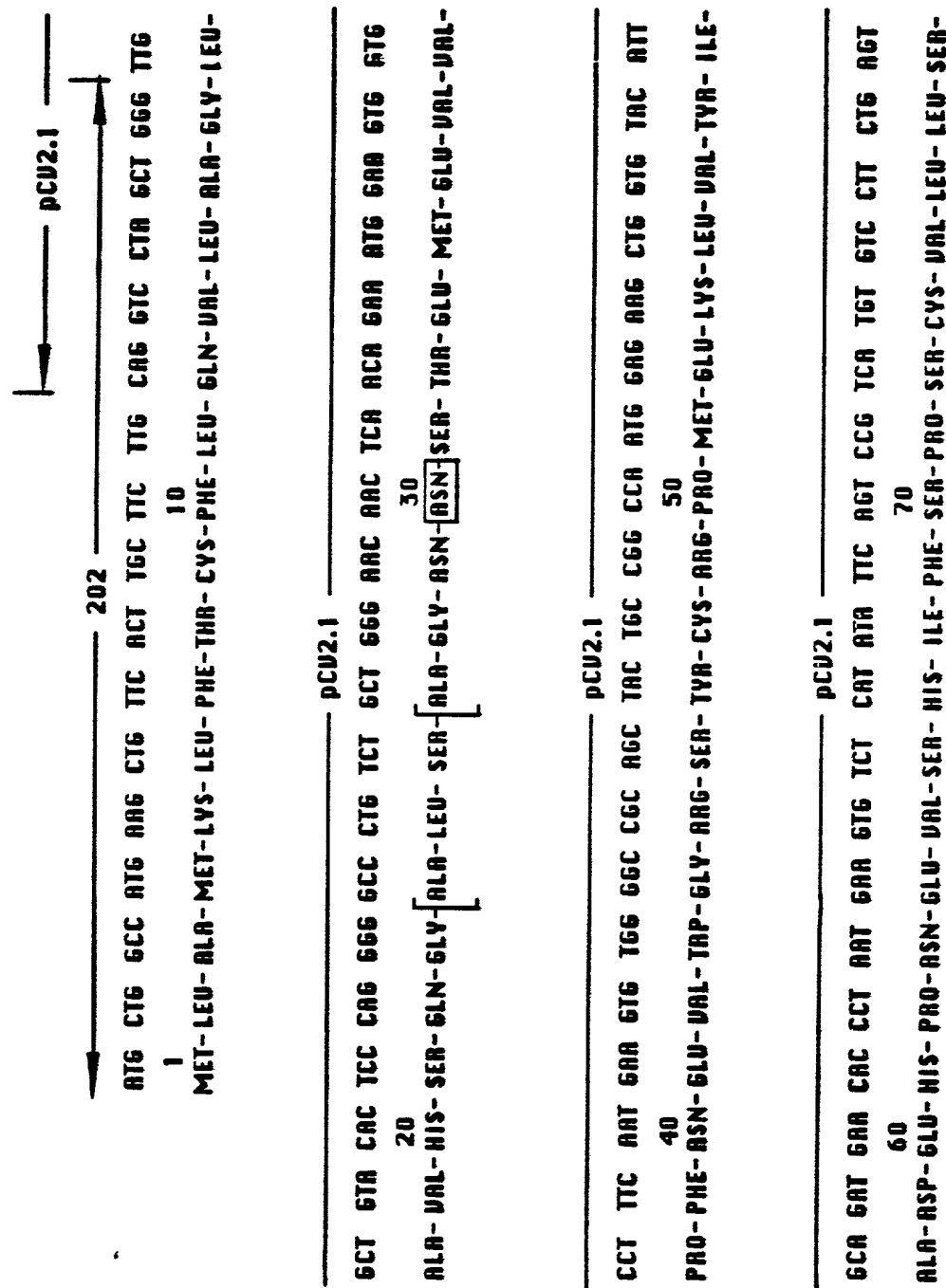


FIG. 7 (CONT.)

PCV2.1
 CGC TGT AGT GGC TGC TGT GGT GAC GAG GGT CTG CAC TGT GTG GCG CTA ARG ACA GCC AAC
 80
 ARG-CYS-SER-GLY-CYS-CYS-GLY-ASP-GLU-GLY-LEU-HIS-CYS-VAL-ALA-LEU-LYS-THR-ALA-ASN

PCV2.1
 ATC ACT ATG CAG ATC TTA ARG ATT CCC CCC AAT CCG GAT CCA CAT TCC TAC GTG GAG ATG
 100
 ILE-THR-MET-GLN-ILE-LEU-LYS-ILE-PRO-PRO-ASN-ARG-ASP-PRO-HIS-SER-TYR-VAL-GLU-MET

PCV2.1
 ACA TTC TCT CAG GAT GTA CTC TGC GAA TGC AGG CCT ATT CTG GAG ACG ACA AAG GCA GAA
 120
 THR-PHE-SER-GLN-ASP-VAL-LEU-CYS-GLU-CYS-ARG-PRO-ILE-LEU-GLU-THR-THR-LYS-ALA-GLU

→
 AGG TAA
 138
 ARG •

Figure 8A

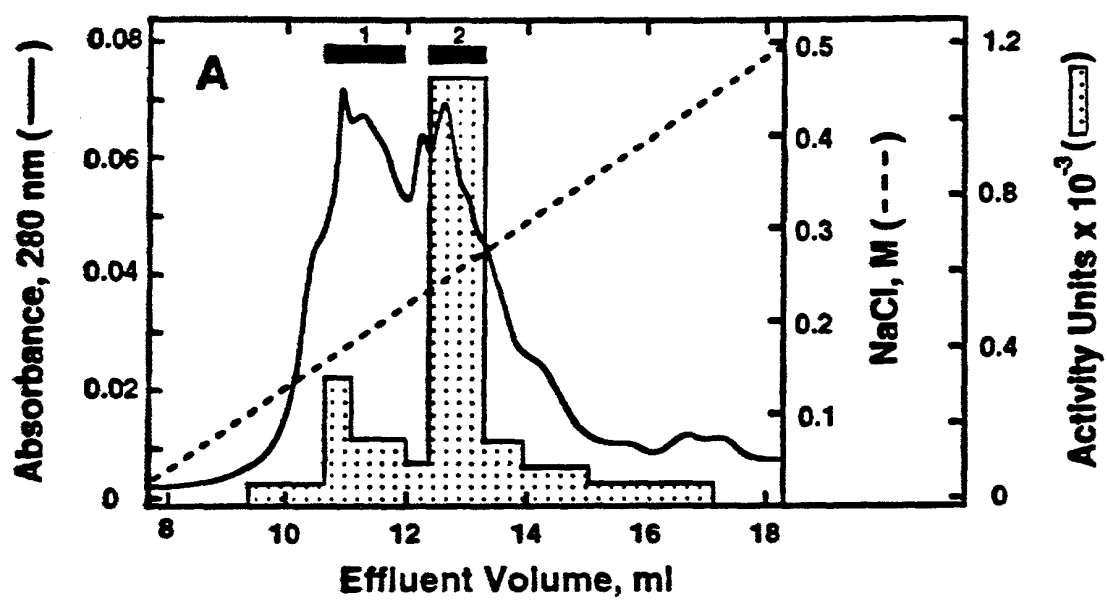


Figure 8B

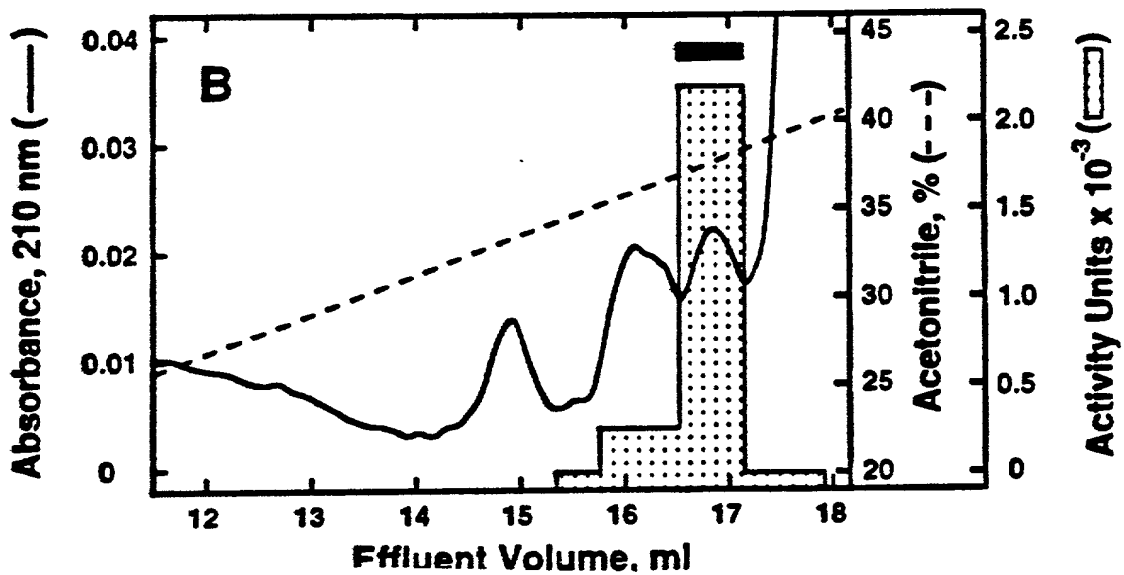


Figure 8C

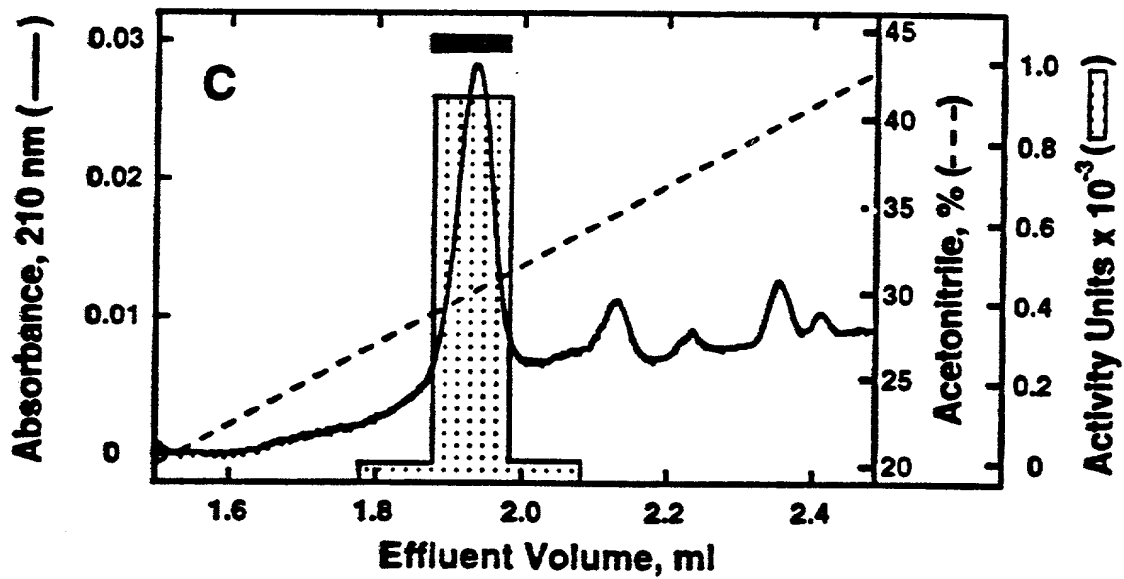


Figure 9A

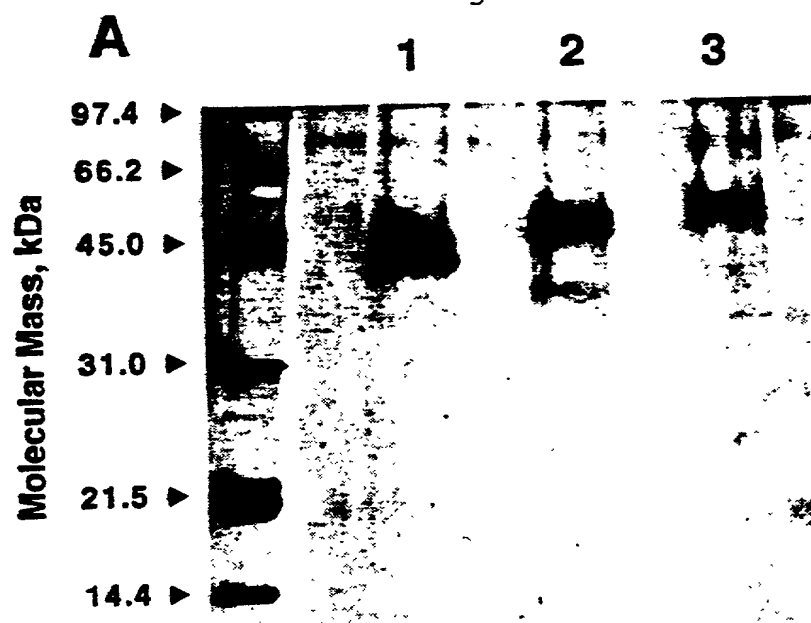


Figure 9B

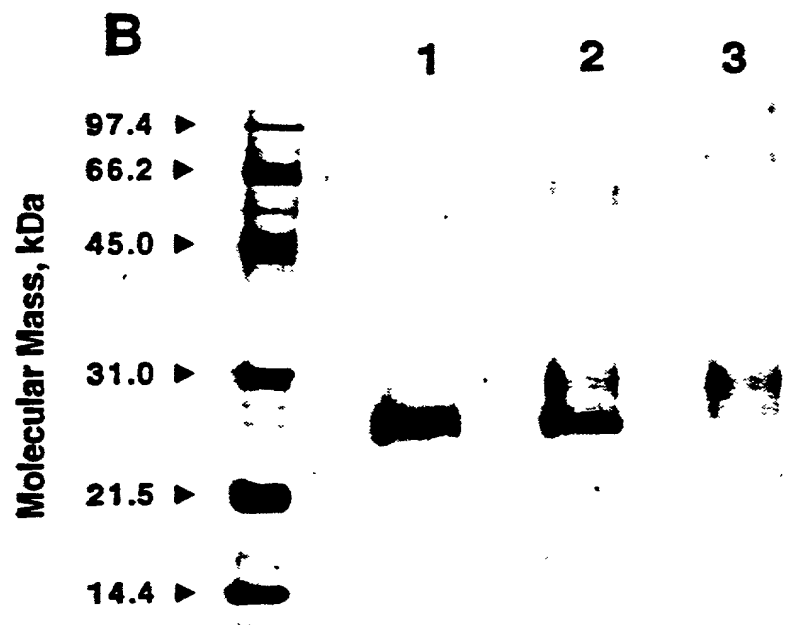


Figure 10A

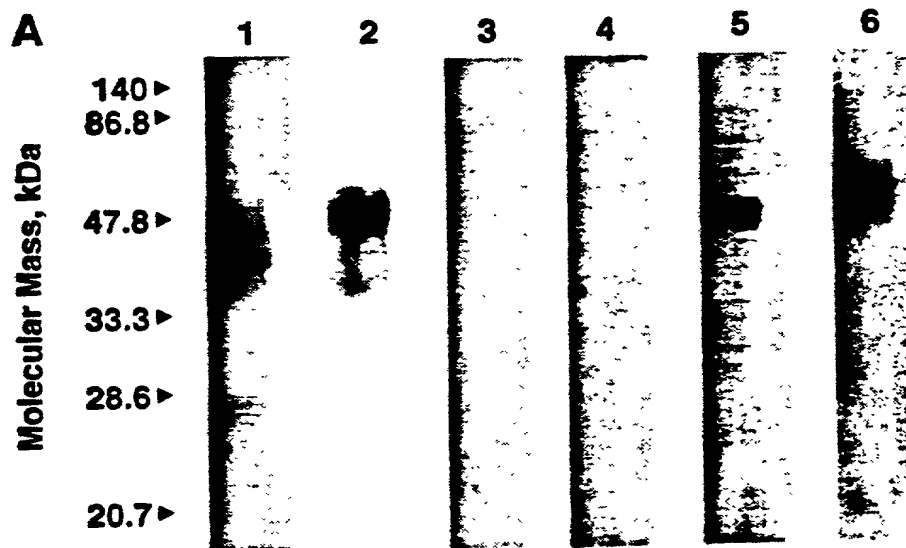


Figure 10B

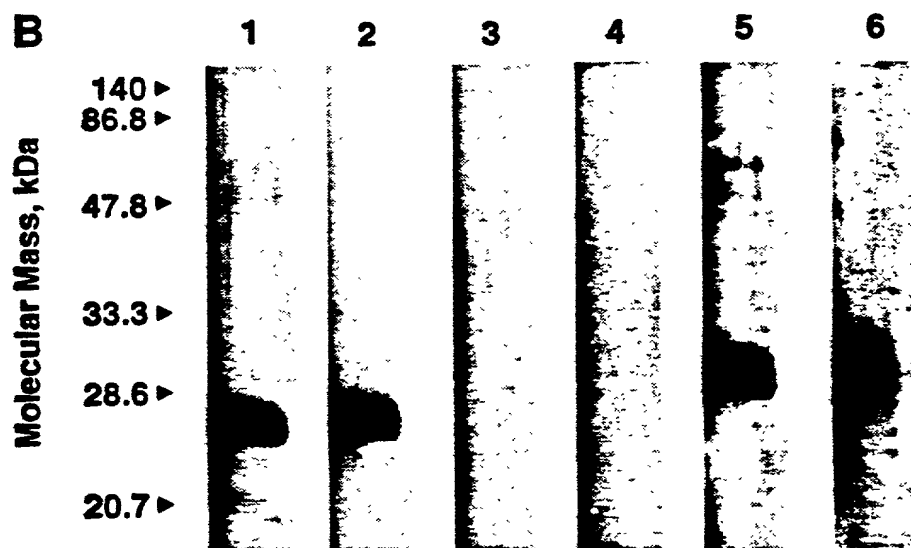


Figure 11

